DEPARTMENT OF DEFENSE
Ballistic Missile Defense Organization

Since its inception, the Ballistic Missile Defense Organization (BMDO) has maintained an aggressive international program which is exercised through international agreements and other initiatives with U.S. allies. Responsibility for the international activities within BMDO fall within the charters of seven organizations.

1. The BMDO Director has delegated authority to negotiate agreements with foreign governments to execute allied participation in BMDO programs, and exercises foreign disclosure authority over BMDO funded technology development and acquisition programs.
2. The Deputy for Strategic Relations (SR) is the principal advisor for international participation and is responsible for coordination of policy and programs regarding international agreements, arms control negotiations, and Allied participation in BMDO programs.
3. The General Counsel (DGC) advises on international law and treaties, including all legal matters pertaining to international participation, and advises on laws governing agency security policies.
4. The Security, Intelligence and Countermeasures Directorate (DSI) provides oversight in areas related to security and foreign disclosure.
5. The Deputy for Acquisition/TMD (AQ) and the Deputy for Technology Readiness (TR) provide program integration and/or program management for BMDO international programs.
6. The International Affairs Directorate (SRI) is the principal office for facilitating international participation in the BMDO programs. Its responsibilities include:

    - accreditation of allied representatives to BMDO;
    - principal point of contact for allies seeking guidance on policy, procurements, visits and export licenses;
    - preparation of Memoranda of Understanding (MOU), Memoranda of Agreement (MOA), and other international agreements involving BMDO;
    - liaison between BMDO and allied governments/foreign embassies;
    - develops and coordinates foreign disclosure guidelines;
    - review and approval of procurement policies that prohibit or restrict allied participation;
    - monitors procurement process to assure cooperating allies receive appropriate RFPs and other procurement documentation;
    - actively monitoring visit requests and munitions cases to facilitate allied participation in the BMDO program;
    - assessment of feasibility of foreign technology to support BMDO technical requirements;
    - support to the Deputy for Technology Readiness (TR) and the various Technology Directorates in developing cooperative R&D programs with our allies including a number of innovative cooperative research programs promoted by the Science and Technology Directorate (TRI).

7. The Deputy for Acquisition/TMD (AQ) oversees international activities related specifically to the Theater Missile Defense program through the Assistant Deputy for TMD Operations (AQ/O) and the Assistant Deputy for TMD Programs (AQ/A). Listed below are the various directorates which participate and their respective roles:

- The Joint Force Directorate facilitates international cooperation in R&D leading to allied interoperability with U.S. forces, conducts architecture studies with allies, develops plans for international cooperative development and procurement of TMD systems, participates in teams negotiating agreements with allies for cooperative development programs.
- The System Integration/BMC3 Directorate participates in TMD architecture studies with allies.
- The System Applications Directorate and System Acquisition Directorate participate, as required, as members of negotiating team concluding agreements for international cooperative developments, and in providing technical and programmatic perspective concerning arms control and treaty compliance as they relate to weapons technology developments.

The following is a summary of significant programs covered by international agreements or contracts from October 1985 to present:

Australia: Data Fusion and Data/Imagery Transmission using Asynchronous Transfer Mode Links

Czech Republic: I.R. Recognition, Air Defense Technology

France: Extended Air Defense Simulations, Plume Phenomenology Research, Reentry Signature Technology, Medium Extended Air Defense System (MEAS)

Germany: Pointing/Tracking, Optics, Lethality and Target Hardening, Electron Lasers, Theater Defense Architectures, Infrared Phenomenology, Discussions on Extended Air Defense Test Bed, Medium Extended Air Defense System (MEAS)

Israel: Hypervelocity Gun, Boost Phase Interception, Magneto-hydrodynamics, Shortwave Chemical Lasers, ATBM Interceptors (ARROW), Test Bed, Theater Defense Architectures, ARROW Continuation Experiments (ACES), Test Bed Experiments

Japan: Superconducting Magnetic Energy Storage, Josephson Junction Microprocessor, Diamond Optics, Electric Propulsion, Western Pacific Architecture Study, Bilateral Study on Ballistic Missile Defense

Netherlands: Theater Defense Architecture, Launch Systems

United Kingdom: Signal Processing, Sensors, Target Signatures and Backgrounds, Interceptor Systems/Components, Lethality, Countermeasures and Penetration Aids, Materials and Structures, Power and Power Conditioning, Propulsion and Propellants, Directed Energy Weapons, Data Fusion, Artificial Intelligence Techniques, Test Beds, Architecture Studies, Flight Trials, Simulations

Belgium: Theater Defense Architecture, Mosaic Array Data Compression and Processing Module, Laser Algorithms

Canada: Power System Material, Particle Accelerators, Theater Defense Architecture, Sounding Rockets/Targets, Ground Based Radars

Denmark: Metrology Study of Magnetic Optics

Italy: Cryogenic Induction, Millimeter-wave Radar Seeker, Theater Defense Architecture, Smart Electro-optical Sensor, Medium Extended Air Defense System (MEAS)

Russia: Electric Thrusters, Solar Concentrators, RAMOS and AGRE Experiments.

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Ballistic Missile Defense Organization
The Pentagon,
Washington, D.C. 20301-7100
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Fax: (703) 697-4027
E-Mail: dward@bmdo.osd.mil

BMDO HomePage: http://www.acq.usd.mil/bmdo/bmdolink/html/

DEPARTMENT OF DEFENSE
Defense Mapping Agency

The international program of the Defense Mapping Agency (DMA) contributes to the DMA mission in three primary areas. First, coproduction and exchange agreements provide a means to augment DMA production resources and leverage those of international partners. Second, bilateral agreements help advance adoption of standards and, thereby, promote interoperability. Third, agreements serve to promote enduring professional and institutional relationships, supporting not only DMA but broader national objectives as well.

While the demands on DMA have not declined, the resources available to satisfy the demands have. One means of coping with this reality is DMA's co-production and exchange agreements. The DMA exchanges products with and/or participates in joint production with many nations. It has active agreements with 106 countries or political entities, including the International Hydrographic Organization and aeronautical flight safety information exchanges. Foreign produced material provided to DMA under exchange and production agreements constitutes over 25 percent of DMA's total holdings. These and related activities leverage the resources available to DMA to satisfy the demands of the United Commands and Military Departments.

Standards are the key to interoperability, and DMA bilateral agreements promote adoption of mapping, charting, and geodesy standards. For example, standards for the exchange of digital geographic information have been established with 11 NATO countries. These countries have adopted a common feature/attribute coding for topographic and hydrographic applications. Map standards and specifications meeting DMA requirements have been published for use in Central and South America through the Pan American Institute for Geography and History.

The DMA agreements are also key to establishing enduring and professional relationships with a variety of nations, serving both DMA needs and broader national interests. As indicated, these agreements serve as vehicles to augment production and promote standardization.

Charles D. Hall
Associate Deputy Director
International Operations
Defense Mapping Agency
8613 Lee Highway
Fairfax, VA 22031-2138
Tel: (703) 275-8665

DEPARTMENT OF DEFENSE
Defense Nuclear Agency

The Defense Nuclear Agency serves as the Defense Department's center for nuclear expertise, performing essential missions in the areas of nuclear weapons stockpile support, nuclear effects research and operational support, and nuclear threat reduction including arms control technology development. At the same time, DNA is increasingly active in a variety of nonnuclear technology areas through the application of its nuclear expertise to advanced conventional weapons lethality, particularly against hardened and underground targets.

DNA has recently been reorganized, completing its transition from a Cold War posture to a Warfighting customer-oriented agency well positioned to meet the diverse and complex needs of the Department of Defense for the twenty-first century. While carefully ensuring the proper attention continues to be given to nuclear matters, DNA will continue to pursue the diversified missions assigned to the agency, both to capitalize on a 50-year investment in advanced technology and to facilitate the recruitment and retention of the high quality staff.

Some of DNA's current mission challenges are:

- Management of the Department's Nuclear Stockpile -- DNA develops and implements the procedures, systems, and supporting technologies to assure the safety, security, and reliability of the DoD nuclear stockpile. Additionally, DNA provides DoD-wide training and independent field inspections of the Services' nuclear weapons operational procedures and storage facilities. An up-to-date database on the status of all nuclear weapons in DoD custody worldwide is maintained by DNA. The Agency also maintains a command center and response teams to react to nuclear accidents or incidents anywhere in the world.
- Weapon System Operability -- Given the proliferation of weapons of mass destruction and their means of delivery, success on tomorrow's battlefields may require military systems that can function during and after exposure to nuclear, chemical, and biological environments. DNA is developing affordable means to harden the sensitive microelectronics of commercial satellites against the potentially devastating consequences of natural space radiation. This dual-use technology program offers great potential for ensuring U.S. commercial satellite industry lead in quality and performance.
- Cooperative Threat Reduction Program -- DNA is the program manager for the Nunn-Lugar/Cooperative Threat Reduction (CTR) Program, which supports the safe, secure dismantlement of former Soviet weapons of mass destruction. As part of this program, DNA provides the technical expertise and contract management support to implement this program’s many agreements with Russia, Ukraine, Belarus, and Kazakhstan.
- Arms Control Verification Technology Demonstration -- DNA's support to arms control has grown with the rapid expansion in the number and scope of treaties reached in recent years. The focus is on the identification, coordination, and development of technologies with arms control monitoring and verification applications.
- Counterproliferation Technical Support -- DNA is concentrating on military response options to the proliferation of weapons of mass destruction and their supporting infrastructure. Specifically, DNA's programs emphasize optimized lethality, hard target destruction capability, chemical and biological agent collateral effects research and prediction, targeting technical support and methodology development, and proliferation path assessments. DNA serves as the executive agency for the Assistant to the Secretary of

Defense (Atomic Energy) in support of a DoD counterproliferation acquisition strategy and directly supports the Counterproliferation Initiative.

- Systems Lethality -- Underground and hardened facilities, often associated with weapons of mass destruction programs, represent a proliferating target set. Enhancing conventional means of destruction of these facilities, while minimizing collateral damage, is the top priority for DNA. Understanding hardened target design, response, and vulnerabilities across the spectrum of war is essential to future military operations.
- Scientific Computing and Information Systems -- High-performance computing capability is an essential underpinning to all of DNA's activities in nuclear and conventional weapons effects and their impact on weapon system lethality, operability, and safety. Reflecting its heritage of 50 years involvement in advanced technology, DNA has some of the most sophisticated models and codes in existence.
- Test and Simulation Technology -- Given the moratorium in nuclear testing, the Nation must rely on simulators capable of testing system operability in both man-made and natural radiation environments. DNA provides the technology, test facilities, and simulators underpinning system operability testing. Additionally, DNA provides technology, test beds, and facilities for performing high explosive testing and enhanced weapon lethality research.

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Director, DNA
6801 Telegraph Road
Alexandria, VA. 22310-3398
Tel: (703) 325-7004
Fax: (703) 325-2960
E-Mail: CURTIN@HQ.DNA.MIL

Dr. George Ullrich
Deputy Director, DNA
Tel: (703) 325-7300

Office of Plans and Requirements
Mr. Matthew M. Holm
Tel: (703) 325-6667

DNA HomePage: http://www.dtic.dla.mil/defenselink/pubs/ofg/of_dna.html

DEPARTMENT OF DEFENSE
Defense Technical Information Center

AGENCY MISSION: The Defense Technical Information Center (DTIC) is the central point within the Department of Defense (DoD) for acquiring, storing, retrieving, and disseminating scientific and technical information (STI) to support the management and conduct of DoD research, development, engineering, acquisition planning, and studies program. DTIC is a sub-element of the Office of the Undersecretary for Defense of Acquisition and Technology (OUSD, A&T), the Director of Defense Research and Engineering (DDR&E).

DATABASE AND COLLECTION HOLDINGS: DTIC acquires defense-funded gray literature and makes it accessible through its Technical Report (TR) database of over two million records. Approximately 32,000 documents are contributed annually by DoD components and their contractors, by other U.S. Government agencies and by foreign governments. The collection includes: periodic and final technical reports; test results, technical memos and notes; studies and analyses; letter reports; journal articles; conference proceedings and papers; dissertations and theses; DoD patents and patent applications; command histories; and DoD Instructions and Directives. The collection also includes non-print formats: videocassettes, diskettes and magnetic tape.

This database is available to U.S. Government agencies and their contractors and some foreign governments through secure terminals or via dial-access, Internet or CD-ROM. All users in the above categories must be registered with DTIC. The general public is served through the National Technical Information Service (NTIS).

Information services and products are provided for a fee including on-line services, full text copies of technical reports; subject bibliographies; current awareness bibliographies, and automatic document distribution.

DTIC also manages and funds 15 of 25 contractor-operated DoD Information Analysis Centers (IACs). The IACs provide DTIC users access to specified reference services and subject matter experts knowledgeable about the content of worldwide engineering, technical and scientific documents and databases.

FOREIGN ACTIVITIES: Some 18 percent of the collection acquired between 1990-1994 is foreign. Of that, 56 percent is original language or translations contributed by country of origin or NATO sources. Country sources include: United Kingdom, Japan, Canada, Germany, France, the Netherlands, Belgium, Australia, Italy, and the former USSR. The remaining 44 percent is English-language translations received from DoD translation centers.

DTIC has negotiated information exchange agreements with Australia, Canada, Germany, the Netherlands, France and the United Kingdom and represents the Department of Defense on the Advisory Group for Aerospace Research and Development (AGARD), Technical Information Panel (TIP).

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R. Paul Ryan
Deputy Administrator, DTIC
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Fax: (703) 767-8228

DTIC HomePage: http://asc.dtic.dla.mil/

http://www.dtic.mil

Gopher: gopher.dtic.mil

DEPARTMENT OF DEFENSE
Defense Technical Information Center
Information Analysis Centers

In the Defense Department, Information Analysis Centers (IACs) acquire, analyze, and disseminate specialized technical information according to express or anticipated need in a variety of technologies and disciplines of interest to the Department. The IACs are operated under directive of the Under Secretary of Defense for Research and Engineering. Fifteen centers are administratively sponsored, managed and funded by the Defense Technical Information Center (DTIC), a DoD central STINFO authority. Ten others are managed by other DoD activities.

Under contract with DTIC, the principle DoD IACs are responsible for collecting, analyzing and disseminating information relevant to their specific fields gathered on a worldwide basis. Approximately 15 to 25 percent (on average) of the information currently in IAC databases are of foreign origin. Percentages at individual IAC vary from 5 to 65 percent foreign source depending on subject and mission needs. Information and data currently on file is approximately 85 to 90 percent unclassified, with sanitized reports supplied by intelligence sources. (Sanitized in such a manner as to delete references or traceable information back to sources.) Requesters usually go through an IAC reference specialist to request specific topics or searches; the IAC expertise is to help the customer find and understand the content of DoD Scientific and Technical Information.

IACs are accessible via the Internet. A common HomePage on the World Wide Web (WWW) linking all the DTIC IACs can be reached by contacting http://www.dtic.mil/iac/. On the DTIC/IAC HomePage you can find a directory listing all the centers and how to obtain services and products. Several IACs offer dial-up access to portions of their holding; all IACs can search both their information and other government and commercial information resources for their customers.

The primary customers of the DoD IACs are the Defense Components and their contractors. The IACs also serve the other departments of the Federal government and their contractors and the public, within the constraints of available resources and limitation on the dissemination of controlled information. Each IAC is staffed by scientists and engineers who are experts in their fields. Each IAC functions as gateway to a particular domain of the Defense communities technical database, and each DTIC sponsored IAC is chartered to deal with the inordinate growth of information with that domain.

The collections, which are computerized, are expanded on a continuing basis to incorporate the most current applicable domestic and international research information available. The synthesized information in selected subject areas is then repackaged and disseminated according to expressed anticipated needs. An additional mission relates to technical and administrative support for DoD Joint committees to review and coordinate R&D efforts concerning inter-service compatibility of technology programs, and promote the exchange of technical information in specialized subject areas.

IAC information Via the Internet

Information Analysis Center Information server:

DTIC-A, the RD&A Information Support Directorate, is now providing IAC information via the Internet on our World Wide Web (WWW) server. Included are the IAC Directory, which contains information on the IACs and their missions and scope, the products and services they provide, and the IAC Program as a whole. Home Pages (i.e., WWW starting documents that provide links to related information) for all the DTIC sponsored IACs are launching points for access to each IAC and the world of technical information they service.

Accessing the IAC WWW Server:

On the Internet you can access the IAC WWW information with any WWW browser such as Netscape, NCSA Mosaic, MacWeb, lynx, etc. With a WWW browser, connect to Universal Resource Locator URL address: http://www.dtic.mil/iac/

If you have a DGIS account, you can use the character-based browser, lynx, to view this information. You will not be able to view graphics, however. To access the IAC server, connect to DGIS and type "unix lynx" (without the quotes) at the asterix prompt. At the lynx screen, select "G" for go and enter the address provided above. Simply follow the instructions provided at the bottom of the screen to navigate through the information.

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Program Manager: DoD Information Analysis Centers
Defense Technical Information Center (DTIC)
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E-mail: iac@dtic..mil

Assistant Program Manager: Brian McCabe

DTIC IAC HomePage: http://www.dtic.mil/iac/

DEPARTMENT OF DEFENSE
Information Analysis Centers (IAC)

CBIAC, CHEMICAL WARFARE, CHEMICAL BIOLOGICAL DEFENSE IAC
Mr. Francis Crimmins
Director, CBIAC
Battelle Edgewood Operations
ATTN: CBIAC
2113 Emmorton Park Road, Suite 200
Edgewood, MD 21040-1037
E-Mail: crimmins@battelle.org

HomePage: http://www.dtic.mil/iac/cbiac/cbiachp.html
http://www.battele.org/cbiac/cbiachp.html

CIAC, CERAMICS (and Ceramic Composites) IAC
Dr. C.Y. Ho
Director, CIAC
Purdue University
2595 Yeager Road
West Lafayette, IN 47906-1398
E-Mail: hocy@ecn.purdue.edu

HomePage: http://cindas.www.ecn.purdue.edu/ciac/

CPIA, CHEMICAL PROPULSION INFORMATION AGENCY
Mr. Harry Hoffman (acting)
Director, CPIA
The Johns Hopkins University
Chemical Propulsion Information Agency
10630 Little Patuxent Parkway, Suite 202
Columbia, MD 21044-3201
E-Mail: cpia1_tc@jhunix.hcf.jhu.edu

CRSTIAC, COLD REGIONS SCIENCE AND TECHNOLOGY IAC
Mr. A.J. Roberto, Jr.
Director, CRSTIAC
U.S. Army Cold Regions Research and Engineering Laboratory
72 Lyme Road
Hanover, NH 03755-1290
E-Mail: aroberto@hanover-crrel.army.mil
HomePage: http://www.usace.army.mil/crstiac/
http://www.usace.army.mil/crel/
CSERIAC, CREW SYSTEM ERGONOMICS IAC

Dr.Donald Dreesbach
Director, CSERIAC
CSERIAC Program Office
AL/CFH/CSERIAC, Bldg 248
2255 H Street
Wright-Patterson AFB, OH 45433-7022
E-Mail: ddreesbach@falcon.aamrl.wpafb.af.mil

HomePage: http://www.dtic.mil/iac/cseriac/IAC.HTML
http://www.dtic.mil/iac/cseriac/cseriac.html

DACS, DATA ANALYSIS CENTER FOR SOFTWARE
Mr. Thomas L. McGibbon
Program Manager, DACS
Data & Analysis Center for Software
Kaman Sciences Corporation
P.O. Box 120
Utica, NY 13503-0120
E-Mail: tmcgibbo@utica.kaman.com

HomePage: http://www.utica.kaman.com:8001/

DASIAC, DOD NUCLEAR INFORMATION AND ANALYSIS CENTER
Mr. Don Moffett
Director, DASIAC
2560 Huntington Avenue, Suite 400
Alexandria, VA 22303-1490
E-mail: moffett-alx1@kaman.com

HomePage: http://www.dtic.mil/iac/gaciac/GCHMPG.HTML

GACIAC, GUIDANCE AND CONTROL IAC
Dr. Robert Heaston
Director, GACIAC
IIT Research Institute
10 West 35th Street
Chicago, IL 60616-3799
E-Mail: rheaston@dgis.dtic.mil

HomePage: http://www.dtic.mil/iac/gaciac/GCHMPG.HTML
http://gaciac.iitri.com/

HTMIAC, HIGH TEMPERATURE MATERIALS IAC
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2595 Yeager Road
West Lafayette, IN 47906-1398
E-Mail: hocy@ecn.purdue.edu

HomePage: http://cindas.www.ecn.purdue.edu/htmiac/

IRIA, INFRARED IAC
Dr. Rodney C. Anderson
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Environmental Research Institute of Michigan
ATTN: The IRIA Center
P. O. Box 134001
Ann Arbor, MI 48113-4001
E-Mail: anderson@erim.org

HomePage: http://www.erim.org/IRIA/iria.html

MIAC, METALS IAC
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2595 Yeager Road
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E-Mail: hocy@edn.purdue.edu

HomePage: http://cindas.www.ecn.purdue.edu/mmciac/

MMCIAC, METAL MATRIX COMPOSITES IAC
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E-Mail: hocy@edn.purdue.edu
HomePage: http://cindas.www.ecn.purdue.edu/mmciac/

MTIAC, MANUFACTURING TECHNOLOGY IAC
Ms. Michal Safar
Director, MTIAC
IIT Research Institute
10 West 35th Street
Chicago, IL 60616-3799
E-Mail: msafar@dgis.dtic.mil

HomePage: http://www.dtic.mil/iac/mtiac/MTIAC.HTML
http://mtiac.hq.iitri.com/mtiac.html

NTIAC, NONDESTRUCTIVE TESTING IAC
Dr. George A. Matzkanin
Director, NTIAC
Texas Research Institute Austin
415A Crystal Creek Drive
Austin, TX 78746-6201
E-Mail: ntiac.access.texas.gov

HomePage: http://www.dtic.mil/iac/ntiac/ntiachome.html

RAC, RELIABILITY ANALYSIS CENTER (Electronic and mechanical)
Mr. Preston MacDiarmid
Director, RAC
IIT Research Institute
P.O. Box 4700
Rome, NY 13440-6916
E-Mail: pmacdiarmid@mail.iitri.com

HomePage: http://iitri.com/RAC/

SURVIAC, SURVIVABILITY/VULNEABILITY IAC
Mr. Kevin Crosthwaithe
Director, SURVIAC
Booz-Allen & Hamilton
WL/FIVS/SURVIAC
2130 Eighth St., Bldg 45, Suite 1
Wright-Patterson AFB, OH 45433-7542
E-Mail: kcrosthw@dgis.dtic.dla.mil

HomePage: http://surviac.flight.wpafb.af.mil/

TWSTIAC, TACTICAL WARFARE SIMULATION AND TECHNOLOGY IAC
Dr. Larry Williams
Director, TWSTIAC
Battelle
505 King Avenue
Columbus, OH 43201‡2693
E-Mail: williaml@battelle.org

HomePage: http://www.dtic.mil/iac/twstiac/twstiach.html

DEPARTMENT OF DEFENSE
DTIC/Military Service-Information Analysis Centers

The concept of an information analysis center has gained acceptance and favor over 50 years of service. Several Department of Defense (DoD) components have established their own information analysis activities which perform many functions and provide a variety of information products and services which are comparable to those provided by chartered DoD Information Analysis Centers.

The following Service-sponsored Information Centers are not official DoD IACs because they have not met all requirements specified in DoD Regulation to acquire the DoD IAC label. DoD IAC users should contact these organizations directly for additional information on products and services they provide.

Airfields, Pavements and Mobility Information Analysis Center (APMIAC)

U.S. Army Engineer Waterways Experiment Station
ATTN: CEWES/GV-Z
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Telephone Points of Contact
Director (Mr. David R. Haulman)
Tel: (601) 634-3376
Fax: (601) 634-3139

Subject Coverage:
Airfields, pavements, and vehicle mobility, as relevant primarily to military needs. Specific areas of vehicle on-and off-road mobility, ground flotation, and mobility analysis.

Coastal Engineering Information Analysis Center (CEIAC)

U.S. Army Engineer Waterways Experiment Station
ATTN: CEWES-CV-I/Dr. Fred E. Camfield
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Telephone Point of Contact
Director (Dr. Fred E. Camfield)
Tel: (601) 634-2012
Fax: (601) 634-3433
E-Mail: camfield@coafs1.wes.army.mil

Subject Coverage:
Coastal engineering, coastal regions, beaches, shore erosion, coastal environments, oceanography, ocean waves tides, inlets, hydrodynamics.

Concrete Technology Information Analysis Center (CTIAC)

U.S. Army Engineer Waterways Experiment Station
ATTN: CEWES/SV-Z
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Telephone Points of Contact
Director (Mr. Bryant Mather)
Tel: (601) 634-3264

Assistant Director (Mr. Sam Wong)
Tel: (601) 634-3271
Fax: (601) 634-3242

Subject Coverage:
Concrete, reinforced concrete, reinforcing materials, cements, mixtures, construction materials, loads (force), fracture (mechanics), deformation, degradation, chemical analysis, repair, evaluation, maintenance, rehabilitation.

DoD Nuclear Information and Analysis Center (DASIAC)

2560 Huntington Avenue, Suite 400
Alexandria, VA 22303-1490
Telephone Points of Contact
Director (Mr. Don Moffett) (703) 329-7123
General Information
Tel: (703) 329-7379
Fax: (703) 329-7198, Verify: (703) 329-7123
E-Mail: moffett-alx1@kaman.com

Subject Coverage:
Nuclear weapon explosion phenomena; Nuclear weapons effects on military strategic and tactical systems and components; Survivability/vulnerability/ hardening; Nuclear weapon safety and physical security; Military doctrine and operations; Nuclear weapon effects testing

Hydraulic Engineering Information Analysis Center (HEIAC)

U.S. Army Engineer Waterways Experiment Station
ATTN: CEWES/HV-Z
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Telephone Point of Contact
Director (Dr. Frank Neilson)
Tel: (601) 634-2615
Fax: (601) 634-4158

Subject Coverage:

River, harbor, and tidal hydraulics; flow through pipes, conduits, channels, and spillways as related to flood control and navigation; hydraulic design and performance of dams, locks, channels, and other structures. Effort is directed toward management of technical CE hydraulics information generated by CE and other laboratories pertinent to CE missions in flood control, navigation, energy, etc.

Plastics Technical Evaluation Center (PLASTEC)
(This IAC is not currently operational)

Formerly located at U.S. Army Armament, Munitions and Chemicals Command Picatinny Arsenal, NJ 07806-5000
Direct inquires about this center to:
DTIC IAC Program Manager
telephone: DSN 284-6260 or
Tel: (703) 274-6260
Fax: (703) 274-0980
E-Mail: rhale@dgis.dtic.mil

Subject Coverage:
PLASTEC was responsible for acquisition, evaluation and exchange of technical information related to plastics, adhesives, and organic matrix composites. DTIC is evaluating the disposition of these holdings. Selected PLASTEC holdings will be transferred to the DTIC Technical Reports database. Subject areas included structural, electrical, electronic and packaging applications. Includes molded, formed, foamed and laminated materials. Maintained computerized data files on adhesives technology, compatibility of polymers with propellants and explosives (COMPAT), and materials deterioration data.

Soil Mechanics Information Analysis Center (SMIAC)

U.S. Army Engineer Waterways Experiment Station
ATTN: CEWES/GV-Z
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Telephone Point of Contact
Director (Mr. David R. Haulman)
Tel: (601) 634-3376
Fax: (601) 634-3139

Subject Coverage:
Soil mechanics, engineering geology, rock mechanics, soil dynamics, earthquake engineering, earth and rockfill dams, levees, earth retaining structures and building foundations, and laboratory testing of soils and rocks.

U.S. Air Force Aerospace Structures Information and Analysis Center (ASIAC)
(A Service Sponsored Information Center)

ATTN: WL/FIBAD/ASIAC, Bldg. 45
2130 8th street, suite 1
Wright-Patterson AFB, OH 45433-7542
Telephone Point of Contact
Director (Mr. Gordon Negaard)
Information Specialist (Ms. Dedee Frantz)
DSN: 785-6688 or
Tel: (513) 255-6688
Fax: (513) 476-4682
E-Mail: asiac@fltD.C.1.flight.wpafb.af.mil

Subject Coverage:
The Aerospace Structures Information and Analysis Center is a central agency for the collection and dissemination of information on aerospace structures. It provides quick state-of-the-art solutions to small complex structures problems and distributes structural computer programs not available at other dissemination centers.

U.S. Navy Shock and Vibration Information Analysis Center (SAVIAC)
(A Service sponsored Information Center)

SAVIAC/Booz Allen & Hamilton, Inc.
3211 Crystal Drive, 7th floor
Arlington, VA 22202
Telephone Points of Contact
Program Manager (Mr. Joel Leifer)
Tel: (703) 412-7774 General Information: (703) 412-7712
Fax: (703) 412-7500
E-Mail: leiferjh@bah.com

Subject Coverage:
SAVIAC's charter is to serve as a center of information for research, analysis and testing related to the structural dynamics, mechanics and physical environmental effects on vehicles, structures, equipment, components and humans under operational and combat conditions. This encompasses the technical areas commonly identified as vibration, shock, blast, crash, impact, penetration, vibroacoustics and mechanical environments. This also includes related supporting areas such as software, sensors, instrumentation, and material dynamic properties. SAVIAC operates under the direction of a multiple-agency Technical Advisory Group with members from the Army, Navy, Air Force, DNA, NASA, and DOE laboratories.

U.S. Air Force Supportability Investment Decision Analysis Center (SIDAC)
(Service Sponsored Information Center)

ATTN: Mr. Lee Greer, SIDAC Director
Battelle Technical Support Operations, Dayton
5100 Springfield Pike, Suite 110
Dayton, OH 45431-1231
Telephone Points of Contact
SIDAC Program Director (Mr. Lee Greer)
Tel: (513) 258-6711
SIDAC Toll Free No: 800-54-SIDAC (800-547-4322)
Bulletin Board System: 800-54-SIDAC
BBS Internet address: 131.167.241.42
Fax: (513) 254-9575

Subject Coverage:
SIDAC's mission is to acquire, improve and apply existing analysis methods, models, techniques, and enabling services for every aspect of weapon system supportability; and to vigorously assess and promote enhancements to the associated supportability investment decision processes.

SIDAC confines its focus to topics of logistics support, logistics research and development, technology insertion, and supportability investment information.

SIDAC special projects may be performed for the Air Force, other Military Services, and other U.S. Government agencies; government contractors or grantees; and the private sector.

SIDAC special projects can cover the full spectrum of weapon system supportability, from the earliest stages of technology development or concept exploration through all phases of the system life cycle. Special projects can include research and development activities, acquisition program assistance, and system support.

Fax: (703) 275-8465
E-Mail: (hallcd@dma.gov)

DMA HomePage: http://www.dma.gov/
http://www.dtic.dla.mil/defenselink/pubs/ofg/of_dma.html

DEPARTMENT OF DEFENSE
Defense Technology Security Administration

The Defense Technology Security Administration (DTSA) provides the direction and stewardship for the technology security policies and programs of the U.S. Department of Defense (DoD). DTSA's mission is to develop and implement DoD policies on international transfers of defense-related goods, services, and technologies to ensure such transfers are consistent with U.S. security interests.

In performing this mission, DTSA seeks to:

- Promote efforts to prevent and counter the proliferation of nuclear, biological, and chemical weapons and their means of delivery;
- Preserve critical U.S. military technological advantages;
- Control and limit the acquisition of defense-related goods, services, and technologies by any country or entity that could be detrimental to U.S. security interests; and,
- Support legitimate defenses cooperation with U.S. allies and friends.

The Director of DTSA is Mr. Dave Tarbell. DTSA is part of the Office of the Secretary of Defense, and reports to the Assistant Secretary of Defense for International Security Policy through the Deputy Assistant Secretary of Defense for Counter-proliferation Policy (within the Office of the Under Secretary of Defense for Policy).

DTSA performs a myriad of functions as part of its technology security and export control mission. DTSA does not issue export licenses, and is not a regulatory agency. Export licensing is primarily the responsibility of the Departments of State and Commerce. One of DTSA's principle functions is to manage the review of export licenses referred to DoD by those agencies. DTSA makes recommendations to the Department of State on license applications for the export of defense articles and services under the International Traffic in Arms Regulations, and to the Department of Commerce on license applications for the export of sensitive dual-use goods and technologies under the Export Administration Regulations. In reviewing export license applications, DTSA obtains advise from the Military Departments, the Joint Chiefs of Staff, the National Security Agency, and other DoD organizations. On average, DTSA takes about 25 days to review State Department licenses, and about 15 days to review licenses referred by the Commerce Department.

DTSA's review of State Department licenses allows for an informal day-in-court for applicants facing a possible negative DoD recommendation. The applicant may submit a paper addressing DoD concerns, discuss them at a meeting and, if they wish, ask for a review by the DTSA Director. The day-in-court procedure was requested by defense exporters who have expressed general satisfaction with its implementation and execution. Stringent time limits have precluded DTSA's establishing a similar day-in-court procedure for dual-use cases. However, DTSA makes every effort to communicate directly with exporters on difficult cases and welcomes exporter initiated contacts.

The fast-changing international security and economic environment has led to more license applications for the export of more sophisticated military and dual-use items. Cases involving high-end technology frequently require more time for technical and security policy analysis and consideration. Thus, exporters are encouraged

to contact DTSA early on regarding the nature of the proposed export. Many exporters make presentations in advance of submitting an application; this open dialogue facilitates subsequent formal reviews.

In addition to reviewing export license applications, DTSA performs a number of other functions, including:

- Developing technology security policies on the releasability of defense-related systems and technologies to allies and friends and performing the technical analyses used to develop export control lists and associated regulations;
- Participating in international export control negotiations covering arms and dual-use, nuclear, biological, chemical, and missile technologies;
- Providing technical support to U.S. Government intelligence and law enforcement agencies in the prevention of unauthorized defense-related technology transfers;
- Determining DoD positions on interagency reviews of foreign investments in U.S. defense companies; and,
- Providing technical support for export control assistance programs provided to various countries.

DTSA's normal business hours are 08:30 to 17:00 (Eastern Time), Monday through Friday. DTSA has no plans to acquire a voice mail system and prefers dealing directly with our customers. After hours, exporters are encouraged to send fax messages outlining the nature of the inquiry (please cite the case number) and the appropriate DTSA staff member will follow-up promptly the next day. You might also consider DTSA's on-line, remote, electronic bulletin board system, Export License Status Advisor (ELISA), at (703) 604-5902, 24 hours a day (except 08:00-08:30 Monday-Friday Eastern Time). Callers MUST have their export license application number assigned by the Department of Commerce or State in order to access information.

DTSA's License Directorate (LD) is responsible for coordinating the reviews of export license applications referred to LD by the Departments of Commerce and State. The Director is Jim Woody (703) 604-4859. The Chief of the Munitions License Division is Len Altman (703) 604-5196 and Chief of the Dual-Use License Division is Lieutenant Colonel John Richey, USAF (703) 604-5186. LD's fax is (703) 604-5382 or (703) 602-5840.

The Technology Directorate (TD) of DTSA provides comprehensive technical and analytical support on export control regimes, dual-use and munitions export licensing and other technology related matters. The Director is Clarence Griffin and his Deputy is David Leon; they can be reached at (703) 604-5217/18 respectively. The Chief of the Military Technology Division is Ken Shelly (703) 604-5219 and Chief of the Dual-Use Technology Division is John Batluck (703) 604-5839. TD's fax is (703) 604-5841.

The Policy Directorate (PD) of DTSA is responsible for policy concerning export control regimes, regulations for dual-use technology exports, support for export control policy on weapons of mass destruction, foreign availability assessments, and proposed foreign investments in the U.S. PD also assesses the implication of technology transfer occurring in the context of defense cooperative projects, coordinates policy guidance for more sensitive defense exports, science and technology exchanges, other government to government programs, and overseas safeguards to protect systems for satellite launches on Chinese and Russian launch vehicles. The director is Frank Bray and his Deputy is Tom Popovich, both at (703) 604-5866. Chief of the Technology Security Policy Division is Walter Earle (703) 604-8036, fax (703) 604-4779. Chief of the Arms Cooperation and Policy Analysis Division is Betty Marini (703) 604-5212, fax (703) 602-4774.

DTSA's Directorate of Technology Security Operations (TSO) brings together intelligence and enforcement information to halt diversions, using diversion cases as a basis to identify, define, and pursue policy initiatives of a national security concern. The Director is F. Michael Maloof and his Deputy is LCDR Marcia Wilson, USN (703) 604-5926, fax (703) 602-4774.

The Resource Management (RM) Directorate of DTSA is responsible for administrative functions including information management systems like ELISA and a wide variety of other services. RM's Director is Howard Ady (703) 604-4836, fax (703) 604-5381. Carole Clarke is the Chief of the Management Service at (703) 604-5440, fax (703) 602-4773. Chief of RM's Information Technology Division is Colonel Geoff Bishop, USAF (703) 604-5937.

DTSA HomePage: http://www.dtic.dla.mil/defenselink/pubs/ofg/of_dtsa.html

DEPARTMENT OF DEFENSE
International Programs

The International Programs Office supports the Assistant Secretary of Defense for Economic Security in establishing Department of Defense policies that encourage greater participation in international acquisition and support programs by the Department.

Selected functional responsibilities of the Office of the Deputy Assistant Secretary for International Programs include:

- Plan for international defense cooperation
- Analyze opportunities for cooperative programs
- Develop resource allocation guidelines for international armaments cooperation
- USD/Acquisition and Technology (A&T) focal point for export control, technology transfer and international investment issues
- Develop and publish militarily critical technologies list on periodic basis
- Provide on-site technical expertise for multinational export control negotiations
- USD (A&T) focal point for review and approval of international agreements for armaments cooperation
- Identify programs for international armaments cooperation;
- work closely with services and defense agencies to successfully execute cooperative programs
- Develop armaments cooperation strategies for specific countries and regions

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DoD IA Home Page: http://www.acq.osd.mil
(Under SECDEF - Acquisition & Technology)